Docket No.000875

As a bound named insentor, I hereby declare that:

My residence, possessifice address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **ADAPTIVE ANTENNA OPTIMIZATION NETWORK** 

specification of which (check one):			, the
	onas a	Application Serial No, if applicable above-identified specification, including the	
by any amendment referred to above.	and crotaing the contents of the	above-identified specification, including the	claims, as amended
I acknowledge the duty to disclose info Code of Federal Regulations, Section 1	rmation which is material to th	e examination of this application in accordar	nce with Title 37,
I hereby claim foreign priority benefits inventor's certificate listed below and he filing date before that of the application	ave also identified below any t	Code, Section 119 of any foreign application for going application for patent or inventor's ce	(s) for patent or rtificate having a
Prior Foreign Application(s)			Priority Claimed
(Number)	(County)	(Date/Month/Year Filed)	Yes No
provided by the first paragraph of Title	35, United States Code, Section Regulations. Section 1.56(a) w	120 of any United States applications listed sclosed in the prior United States application on 112, I acknowledge the duty to disclose muchich occurred between the filing date of the	in the manner
- doimed in Title 57, code of redefal.	date of this application:	are ming date of the	prior application and
the national or PCT international filing  (Application Serial No.)	date of this application:  (Filing Date)	(Status: patented, pending, abandon	

I hereby appoint the following attorney(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith: Lynn J. Alstadt, Reg. No. 29,362; George P. Baier, Reg. No. 26,717; Dennis M. Carleton, Reg. No. 40,938; Michael L. Dever, Reg. No. 32,216; John E. Grosselin, III, Reg. No. 38,478; Bryan H. Opalko, Reg. No. 40,751; Michael G. Panian, Reg. No. 32,623; and Carla J. Vrsansky, Reg. No. 36,958.

Address all telephone calls to Bryan H. Opalko

Address all correspondence to

Buchanan Ingersoll Professional Corporation
One Oxford Centre

301 Grant Street, 20th Floor

Pittsburgh, Pennsylvania 15219-1410

412-562-1893

Full name of sole or first inventor Pau Dent	
Inventor's Signature and w. Lant	Date 24 JAN 2001
Residence County of Chatham, State of North Carolina	CitizenshipUSA
Post Office Address 637 Eagle Point Road, Pittsboro, North Caroli	ina 27312
Full name of second joint inventor Howard Eugene Holshouser	
	_
Inventor's Signature	Date
Post Office Address 3701 Carrington Lane, Efland, North Carolina	Citizenship USA
Full name of third joint inventor John Charles Phillips  Inventor's Signature	Date
	Data
Residence County of Wake, State of North Carolina	Citizenship USA
Post Office Address 9916 Bonsal Crossing, Newhill, North Carolin	
Full name of fourth joint inventorRod_Dolman Inventor's Signature	Date
Residence County of Bedford, State of Virginia	
Post Office Address 108 LaFayette Place, Forest, Virginia 24551	
Full name of fifth joint inventor <u>Ron Boesch</u> Inventor's Signature	Date
Residence County of Wake. State of North Carolina	

Post Office Address 106 Fentress Court, Morrisville, North Carolina 27560

Docket No.000875

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specification of which (check	one):		, the
X	was filed on a	s Application Serial No, if applicable	-
I hereby state that I have revi by any amendment referred to	ewed and understand the contents of the above.	e above-identified specification, including the	e claims, as amended
I acknowledge the duty to dis Code of Federal Regulations,	close information which is material to Section 1.56(a).	the examination of this application in accorda	ince with Title 37,
	y benefits under Title 35, United States low and have also identified below any application on which priority is claimed	s Code, Section 119 of any foreign application foreign application for patent or inventor's cal:	n(s) for patent or ertificate having a
Prior Foreign Application(s)			Priority Claimed
(Number)	(County)	(Date/Month/Year Filed)	Yes No
provided by the first paragrap as defined in Title 37, Code of	th of Title 35. United States Code Section 15 not 6	on 120 of any United States applications listed disclosed in the prior United States application in 112, I acknowledge the duty to disclose rewhich occurred between the filing date of the	n in the manner
(Application Serial No.	(Filing Date)	(Status: patented, pending, abando	ned)
(Application Serial No.	(Filing Date)	(Status: patented, pending, abando	ned)
I hereby appoint the following	2 attornev(s) to prosecute this applicati	on and to termonet all business to do not a	

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Full name of sole or first inventor Pau. Dent	
Inventor's Signature	ate .
Residence County of Chatham, State of North Carolina	Citizenship USA
Post office Address 637 Eagle Point Road, Pittsboro, North Carolina	27312
INE ACTOR	
S 2001 E	
MM S	
Full name second joint inventor Howard Eugene Holshouser	
	ite 18 January 2001
Residence County of Orange, State of North Carolina	Citizenship USA
Post Office Address 3701 Carrington Lane, Efland, North Carolina 27	7243
Full name of third joint inventor John Charles Phillips	
Inventor's Signature Da	te
Residence County of Wake, State of North Carolina	_ CitizenshipUSA
Post Office Address 9916 Bonsal Crossing, Newhill, North Carolina	24857
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Pull and Co. data to the P. J.	
Full name of fourth joint inventor Rod Dolman	
Inventor's Signature Da	
Residence County of Bedford, State of Virginia	
Post Office Address 108 LaFayette Place, Forest, Virginia 24551	
•	
Full name of fifth joint inventor Ron Boesch	
Inventor's Signature Da	te
Da	···
Residence County of Wake, State of North Carolina	Citizenship IISA

Docket No. 000875

-named Inventor

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I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled ADAPTIVE ANTENNA OPTIMIZATION NETWORK

specification of which (	check one):		, the
	is attached hereto was filed on and was amended on	as Application Serial No	
		ts of the above-identified specification, including the cla	aims, as amended
I acknowledge the duty Code of Federal Regular	to disclose information which is mate tions, Section 1.56(a).	rial to the examination of this application in accordance	with Title 37,
I hereby claim foreign p inventor's certificate listo filing date before that of	riority benefits under Title 35, United ed below and have also identified belo the application on which priority is c	States Code, Section 119 of any foreign application(s) ow any foreign application for patent or inventor's certif laimed:	for patent or icate having a
Prior Foreign Applicatio	on(s)	F	Priority Claimed
(Number)	(County)	(Date/Month/Year Filed)	Yes No
provided by the first para as defined in Title 37, Co	agraph of Title 35 United States Co. 1	Section 120 of any United States applications listed bels not disclosed in the prior United States application in e., Section 1.12, I acknowledge the duty to disclose mater .56(a) which occurred between the filing date of the prior is	the manner
(Application Serial	No.) (Filing Date)	(Status: patented, pending, abandoned)	1
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TOTAL APPOINT THE TOTAL	WIDE SHOTHER (c) to proceeds this	1	

I hereby appoint the following attorney(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith: Lynn J. Alstadt, Reg. No. 29,362; George P. Baier, Reg. No. 26,717; Dennis M. Carleton, Reg. No. 40,938; Michael L. Dever, Reg. No. 32,216; John E. Grosselin, III, Reg. No. 38,478; Bryan H. Opalko, Reg. No. 40,751; Michael G. Panian, Reg. No. 32,623; and Carla J. Vrsansky, Reg. No. 36,958.

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Post Office Address 3701 Carrington Lane, Efland, North Carolina	27243
Full name of third joint inventor John Charles Phillips  Inventor's Signature Charles Phillips	Data 1 /10 /:
Residence County of Wake, State of North Carolina	Date 1/19/01
Post Office Address 9916 Bonsal Crossing, Newhill, North Carolin	Citizenship USA
Full name of fourth joint inventor Rod Dolman	
Inventor's Signature	Date
Residence County of Bedford, State of Virginia	Citizenship USA
Post Office Address 108 LaFayette Place, Forest, Virginia 24551	
Full name of fifth joint inventor <u>Ron Boesch</u>	
Inventor's Signature	Date
Residence County of Wake, State of North Carolina	Citizenship USA
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and was	amended on	, if applicable	-
Thereby state that I have reviewed and	lunderstand the sent of Sul		
by any amendment referred to above.	i understand the contents of the	above-identified specification, including the	claims, as amended
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Code of Federal Regulations, Section	1.56(a).	ne examination of this application in accorda	nce with Title 37,
I hereby claim foreign priority benefits	Sunder Title 35 United States		
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Prior Foreign Application(s)			
oro-gar application(3)			Priority Claimed
(Number)	(01)		Yes No
•	(County)	(Date/Month/Year Filed)	
I hereby claim the benefit under Title 3	35, United States Code, Section	120 of any United States applications listed	
as the subject matter of each of the clai	ims of this application is not dis	sclosed in the prior United States applications listed sclosed in the prior United States application	in the manner
as defined in Title 37 Code of Fodoral	: 35, United States Code, Section	on 1.12, I acknowledge the duty to disclose methods accorded by	naterial information
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8	date of this application:		
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I hereby appoint the following attornous	(a) to manage ( .1		

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Post Price Address 637 Eagle Point Road, Pittsboro, North Carolin	na 27312
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MAT THE SECOND OF THE PARTY OF	
Polyage A Record joint inventor Howard Eugene Holshouser	
Inventor's Signature	Data
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Post Office Address _ 3701 Carrington Lane, Efland, North Carolina	entrensing
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Full name of third joint inventor John Charles Phillips	
Inventor's Signature	Data
Residence County of Wake, State of North Carolina	Date Citizenship USA
Post Office Address 9916 Bonsal Crossing, Newhill, North Carolina	
By Morning More More March	24037
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Full name of fourth initiation and Dad Dad	
Full name of fourth joint inventor Rod Dolman  Inventor's Signature Rod Dolman	
inventor's Signature X	/- / 0
Inventor's Signature	Date 01/23/2005 200 1
Residence County of Bedford, State of Virginia	CitizenshipUSA
Residence County of Bedford, State of Virginia  Post Office Address 108 LaFayette Place, Forest, Virginia 24551	CitizenshipUSA
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Prior Foreign Application(s)			Priority Claimed
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Inventor's Signature	Date
Residence County of Chatham, State of North Carolina	TICA
Post Office Address 637 Eagle Point Road, Pittsboro, North Caroli	
Post Office Address 037 Eagle Point Road, Pittsboro, North Caroli	2/312
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My 23 E	
CFull name of second joint in the Howard Rugono Holeton	
Full parts of second joint inventor Howard Eugene Holshouser Inventor's Signature	
· ·	Date
Residence County of Orange, State of North Carolina	Citizenship USA
Post Office Address 3701 Carrington Lane, Efland, North Carolina	27243
Full name of third joint inventor John Charles Phillips	
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	Date
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Post Office Address 108 LaFayette Place, Forest, Virginia 24551	
Full name of fifth joint inventor <u>Ron Boesch</u>	
Inventor's Simple 11 A 2	
	Date19 Jan 2001
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Post Office Address 106 Fentress Court, Morrisville, North Carolin	a 27560